

ABSTRACT

A method of producing a finish for a selected wood substrate, wherein the finish provides the selected wood substrate with a color that matches the color of a target object. In accordance with the method, calculations are performed to determine the quantities of at least one group of colorants required to produce a semitransparent wood stain from a vehicle, wherein when the semitransparent wood stain is applied to the selected wood substrate, the selected wood substrate will have a color that matches the target object. The calculations are performed using reflectance measurements of the target object obtained using a spectrophotometer and previously obtained spectral data of the colorants as applied to at least one type of wood. The colorants used to form the semitransparent wood stain do not include a white colorant.